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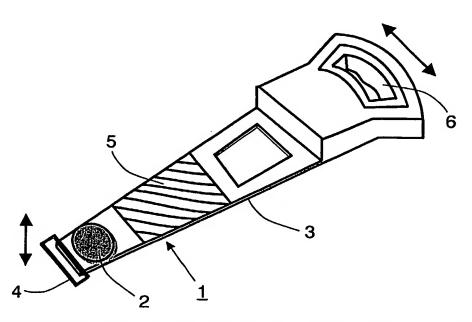
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(54) Title: LENS DRIVING DEVICE FOR OPTICAL READ AND/OR WRITE SYSTEM AND OPTICAL READ/WRITE SYSTEM



(57) Abstract: A lens driving device (1) or an optical read and/or write system comprises a mechanical structure (3) with an objective lens (2) and an actuator (4, 4', 6) for controlling the lens position. The lens driving device comprises a further actuator (5, 5a, 5b, 5') on or near the mechanical structure so as to at least partially compensate motion generated by the first-mentioned actuator (4,6).

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/00 G11E G11B11/10 G11B13/04 G11B5/55 G11B5/56 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 336 687 A (MITSUBISHI ELECTRIC CORP) 1-9 11 October 1989 (1989-10-11) the whole document US 6 233 124 B1 (MURPHY JAMES MORGAN A 1-9 AL) 15 May 2001 (2001-05-15) the whole document US 6 088 194 A (WHITE MATTHEW T ET AL) A 1-9 11 July 2000 (2000-07-11) the whole document 1-9 Α US 4 561 079 A (NARUMI ICHIRO) 24 December 1985 (1985-12-24) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but \*A\* document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-'O' document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 6 November 2003 14/11/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Kyranos, E

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